



Temperature Measurement Bench

An apparatus with boiling water and ice baths and various temperature measuring instruments like liquid in glass thermometer, vapor pressure thermometer, thermister, thermocouples, platinum resistance thermometer etc. A calibrated standard platinum resistance thermometer is also available. Provision is there for data acquisition of most of the readings using datalogger and software.

Category: Teaching Equipment

Courses: Engineering Measurements



Saturation Vapor Pressure Apparatus

An apparatus used to study the saturation pressure-temperature relation of pure water. Provision is also for measuring the quality of the mixture. It also has data acquisition capability.

Category: Teaching Equipment

Courses: Thermodynamics I



Expansion Process of Perfect Gas

An apparatus which can analyze various processes like adiabatic, isothermal etc of perfect gases. It can also verify ideal gas law. It has data acquisition capability.

Category: Teaching Equipment

Courses: Thermodynamics I



Pressure Measurement Bench

Used to compare various pressure gauges like Bourdon Tube, Pressure transducers, U tub manometer, Inclined manometers etc. It has provision to compare delivery or suction pressure of a small air compressor fitted onto it. Dead weight tester can be used to calibrate the gauges.

Category: Teaching Equipment

Courses: Engineering Measurements, Fluid Mechanics



Calibration Rig

This calibration rig has options to calibrate temperature, pressure and electric signals.

Category: Service Equipment

Courses: NA